

JUN 23 2009

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****COMBINED REVOCATION OF POWER OF ATTORNEY,  
STATEMENT UNDER 37 C.F.R. § 3.73(b), APPOINTMENT OF  
NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Samsung Electronics Co., Ltd., a corporation, states that it is the Assignee of the entire right, title and interest in the following patent applications identified below by virtue of assignments from their respective inventor(s) and hereby revokes any and all previous Powers of Attorney and appoints the attorneys and agents associated with customer number:

**23413**

to prosecute these applications and transact all business in the Patent and Trademark Office connected therewith. The assignments have been recorded in the United States Patent and Trademark Office at the Reel and Frame numbers indicated below or for which a copy thereof is attached.

Docket No.	Serial No.	Filing Date	Title	Reel/Frame No.
21C-0294-C	10/846,993	05/17/04	Liquid Crystal Display Device	
21C-0298	10/956,056	10/04/04	Substrate, Method of Manufacturing the Same and Display Apparatus Having the Same	015866/0304
21C-0300	10/771,341	02/05/04	Display Apparatus Having Photo Sensor	015561/0062
21C-0301	10/093,403	03/11/02	Method for Controlling Electron Stream Within Lamp of Cold Cathode Fluorescent Tube, Method for Driving Cold Cathode Fluorescent Tube Type Illumination Device Using the Same, Cold Cathode	012682/0098
21C-0305	10/683,268	10/14/03	Liquid Crystal Display Device and Method of Manufacturing the Same	014602/0362
21C-0305-C	11/243,986	10/06/05	Liquid Crystal Display Device and Method of Manufacturing the Same	014602/0362
21C-0306	11/105,535	04/14/05	Array Substrate, Manufacturing Method Thereof and Display Device Having the Same	
21C-0307-C	11/050,676	02/07/05	Light Emitting Panel and Light Emitting Apparatus Having the Same	014288/0435

JUN 23 2009

21C-0307-C2	11/113,126	04/25/05	Light Emitting Panel and Light Emitting Apparatus Having the Same	014288/0435
21C-0308	10/995,477	11/24/04	Pattern Mask, Light-Emitting Unit Manufactured Using the Same, Display Apparatus Manufactured Using the Same and Method of Manufacturing Display Apparatus Using the Same	016333/0271
21C-0309	10/660,750	09/12/03	Apparatus for Recognizing an Image	014497/0242
21C-0310	11/086,914	03/23/05	Color Filter Substrate, Display Apparatus and Method of Manufacturing the Same	016405/0538
21C-0311	11/092,610	03/30/05	Light Generating Device and Liquid Crystal Display Apparatus Having the Same	016439/0423
21C-0312	11/011,746	12/15/04	Driver Chip and Display Apparatus Having the Same	
21C-0313	11/012,228	12/16/04	Driver Chip and Display Apparatus Having the Same	016417/0009
21C-0314	11/102,813	04/11/05	Polarizer, Method of Manufacturing the Polarizer, Apparatus for Manufacturing the Polarizer, and Display Apparatus Having the Polarizer	016464/0696
21C-0317	11/159,098	06/23/05	Display Apparatus	
21C-0318	11/223,026	09/12/05	Light Generating Device and Display Device Having the Same	
21C-0321	10/985,004	11/10/04	Surface Light Source Device, Method of Manufacturing the Same and Display Apparatus Having the Same	016159/0866
21C-0322	10/990,515	11/18/04	Organic Light Emitting Element, Display Apparatus Having the Same and Method of Manufacturing the Same	016012/0172
21C-0323	11/175,674	07/07/05	Display Apparatus and Scanning Unit	
21C-0324	10/523,984	02/08/05	Display Device, and Method of Manufacturing the Display Device	
21C-0325	10/552,261	10/05/05	Display Panel	
21C-0326	10/980,602	11/04/04	Color Filter Substrate and Method of Manufacturing the Same	016259/0301
21C-0327	11/081,747	03/17/05	Flat Panel Display Device and Method of Manufacturing the Same	016394/0901

JUN 23 2009

21C-0329	10/538,511	06/09/05	Stripping Composition for Removing a Photoresist and Method of Manufacturing TFT Substrate for a Liquid Crystal Display Device Using the Same	
21C-0330	11/060,797	02/18/05	Pulse Compensator, Display Device and Method of Driving the Display Device	016304/0166
21C-0331	11/144,711	06/06/05	Backlight Assembly and Display Device Having the Same	
21C-0332	11/176,280	07/08/05	Organic Light Emitting Device	
21C-0333	10/855,395	05/28/04	Backlight Assembly and Liquid Crystal Display Apparatus Having the Same	015815/0415
21C-0334	10/725,595	12/03/03	Liquid Crystal Display Apparatus and Method of Manufacturing Substrate of the Same	014765/0703

The undersigned hereby grants said attorneys and agents the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Assignee hereby directs that all correspondence and telephone calls in connection with these patent applications be addressed to the said

Customer No. 23413  
Cantor Colburn LLP  
55 Griffin Road South  
Bloomfield, CT 06002  
Telephone (860) 286-2929  
Facsimile (860) 286-0115

and that all patent applications be associated with Customer No. 23413.

The undersigned is authorized to act on behalf of the Assignee, Samsung Electronics Co., Ltd.

SAMSUNG ELECTRONICS CO., LTD.

By: Shin  
Sangcheol Shin  
Principal Engineer

Date: Jan. 25, 2006

JUN 23 2009

*Cantor*



RECEIVED

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

CANTOR COLBURN LLP

JUNE 30, 2006

PTAS



HAE-CHAN PARK  
MCGUIREWOODS LLP  
1750 TYSONS BOULEVARD, SUITE 1800  
MCLEAN, VA 22102

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 10/05/2005

REEL/FRAME: 017859/0400  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 6192.0643.US

ASSIGNOR:  
SHIN, KYOUNG-JU

DOC DATE: 08/16/2005

ASSIGNOR:  
CHOI, BEOHM-ROCK

DOC DATE: 08/16/2005

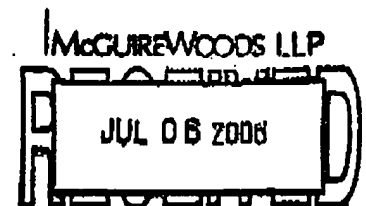
ASSIGNOR:  
CHAI, CHONG-CHUL

DOC DATE: 08/16/2005

ASSIGNOR:  
CHOI, JOON-HOO

DOC DATE: 08/16/2005

ASSIGNEE:  
SAMSUNG ELECTRONICS CO., LTD.  
416 MAETAN 3-DONG, YEONGTONG-GU  
SUWON-SI, GYEONGGI-DO  
REPUBLIC  
OF KOREA



JUN 23 2009

**ASSIGNMENT**

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

- ☒ an application for United States Letters Patent entitled **DISPLAY PANEL** ("Application");
- ☐ upon which United States Letters Patent, Patent Number \_\_\_\_\_, has issued ("Patent");

Whereas, Assignor desires to convey all rights, title and interests in and to the same to Samsung Electronics Co., Ltd. ("Assignee"), with offices located at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea;

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the invention disclosed in said application and in and to any Letters Patent of the United States, any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or inventor's certificates and related rights heretofore or hereafter filed for the invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, invention, whether in the U.S. or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

JUN 23 2009

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

Assignor:

Signature: Kyeong-Ju Shin

Print  
Name: Kyoung-Ju SHIN

Address: 102-504 Samleongseonbi maeul, #289-12, Bora-ri, Gilheung-eup, Yongin-si, Gyeonggi-do,  
KOREA

Date: 2005. 8. 16

Assignor:

Signature: Beohm-Rock Choi

Print  
Name: Beohm-Rock CHOI

Address: 112-508 Samsung Apt., Daechi 1-dong, Gangnam-gu, Seoul, KOREA

Date: 2005. 8. 16

Assignor:

Signature: Chai, Chong Chul

Print  
Name: Chong-Chul CHAI

Address: 102-2001 Samsung Apt., Singongdeok-dong, Mapo-gu, Seoul, KOREA

Date: 2005. 8. 16

Assignor:

Signature: Chai Joon Hoo

Print  
Name: Joon-Hoo CHOI

Address: 108-303 Samho Apt., Youngcheon-dong, Seodaemun-gu, Seoul, KOREA

Date: 2005. 8. 16

\\COMN499879.1